

# Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

## UCbase & miRfunc: Ultraconserved Sequences and miRNA Function Database

RRID:SCR\_005771

Type: Tool

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### Proper Citation

UCbase & miRfunc: Ultraconserved Sequences and miRNA Function Database  
(RRID:SCR\_005771)

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### Resource Information

**URL:** <http://microrna.osu.edu/UCbase4>

**Proper Citation:** UCbase & miRfunc: Ultraconserved Sequences and miRNA Function Database (RRID:SCR\_005771)

**Description:** THIS RESOURCE IS NO LONGER IN SERVICE, documented on July 16, 2013. UCbase & miRfunc is a database of (i) human, mouse and rat microRNAs and (ii) Ultraconserved elements providing information about function, expression and correlation between these classes of non-coding RNAs and the disorders related to their aberrant expression. The genomics interface allows the user to explore where whole-genome collections of miRNAs and UCRs are located with respect to annotation sets such as band, disorders and known genes. The Blast interface provides a web tool for matching miRNAs/UCRs elements against any given sequence and providing specific functional information on the results. 481 Ultraconserved sequences (UCRs) longer than 200 bases were discovered in the genomes of human, mouse and rat. These are DNA sequences showing 100 percent identity among the human, mouse and rat genomes. UCRs are frequently located at genomic regions involved in cancer, differentially expressed in human leukemias and carcinomas and in some instances regulated by microRNAs (miRNAs), the most extensively studied category of non-coding RNAs (ncRNAs). Here we present the first database which links UCRs and miRNAs with the related human disorders and genomic properties.

**Synonyms:** UCbase & miRfunc

**Resource Type:** database, data or information resource

**Availability:** THIS RESOURCE IS NO LONGER IN SERVICE

**Resource Name:** UCbase & miRfunc: Ultraconserved Sequences and miRNA Function Database

**Resource ID:** SCR\_005771

**Alternate IDs:** nif-0000-03601

**Record Creation Time:** 20220129T080232+0000

**Record Last Update:** 20260808T190354+0000

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## Ratings and Alerts

No rating or validation information has been found for UCbase & miRfunc: Ultraconserved Sequences and miRNA Function Database.

No alerts have been found for UCbase & miRfunc: Ultraconserved Sequences and miRNA Function Database.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.